

What is claimed is:

1. A transfer foil comprising a base film, and an ink layer carrying a predetermined pattern on one surface of the base film,

the ink layer comprising a basic resin containing more than 80 % by weight of a polyurethane having a hydroxyl value of less than 0.2 and a weight-average molecular weight of 20,000 to 60,000, and a coloring agent.

2. The transfer foil according to claim 1, wherein the polyurethane is free of a hydroxyl group.

3. A transfer foil comprising a base film, and an ink layer carrying a predetermined pattern on one surface of the base film,

the ink layer comprising a polyurethane having a hydroxyl value of less than 0.2 and a weight-average molecular weight of 20,000 to 60,000, and a coloring agent.

4. The transfer foil according to claim 3, wherein the polyurethane is free of a hydroxyl group.

5. A golf ball comprising:
a golf ball body;
a pattern directly printed on a surface of the golf ball body, the pattern being defined by an ink containing a polyurethane having a hydroxyl value of less than 0.2 and a weight-average molecular weight of 20,000 to 60,000, and a coloring agent; and

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a clear coat formed over the pattern and the ball body surface.

6. A method of printing a pattern on a golf ball body surface, comprising the steps of:

placing a transfer foil carrying a predetermined pattern on a surface of a golf ball body; and

transferring the pattern to a golf ball body surface from the transfer foil at a temperature below 130°C,

wherein the transfer foil comprises a base film and an ink layer carrying the predetermined pattern on one surface of the base film, and the ink layer comprises a basic resin containing more than 80 % by weight of a polyurethane having a hydroxyl value of less than 0.2 and a weight-average molecular weight of 20,000 to 60,000.

7. A method of manufacturing a golf ball, comprising the steps of:

printing a pattern on a surface of a ball body at a temperature below 130°C using a transfer foil comprising a base film and an ink layer carrying the pattern on one surface of the base film, the ink layer comprising a basic resin containing more than 80 % by weight of a polyurethane having a hydroxyl value of less than 0.2 and a weight-average molecular weight of 20,000 to 60,000; and

coating the surface of the golf ball body and the printed pattern with a polyurethane coating material.

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